

23

Fig. 1.

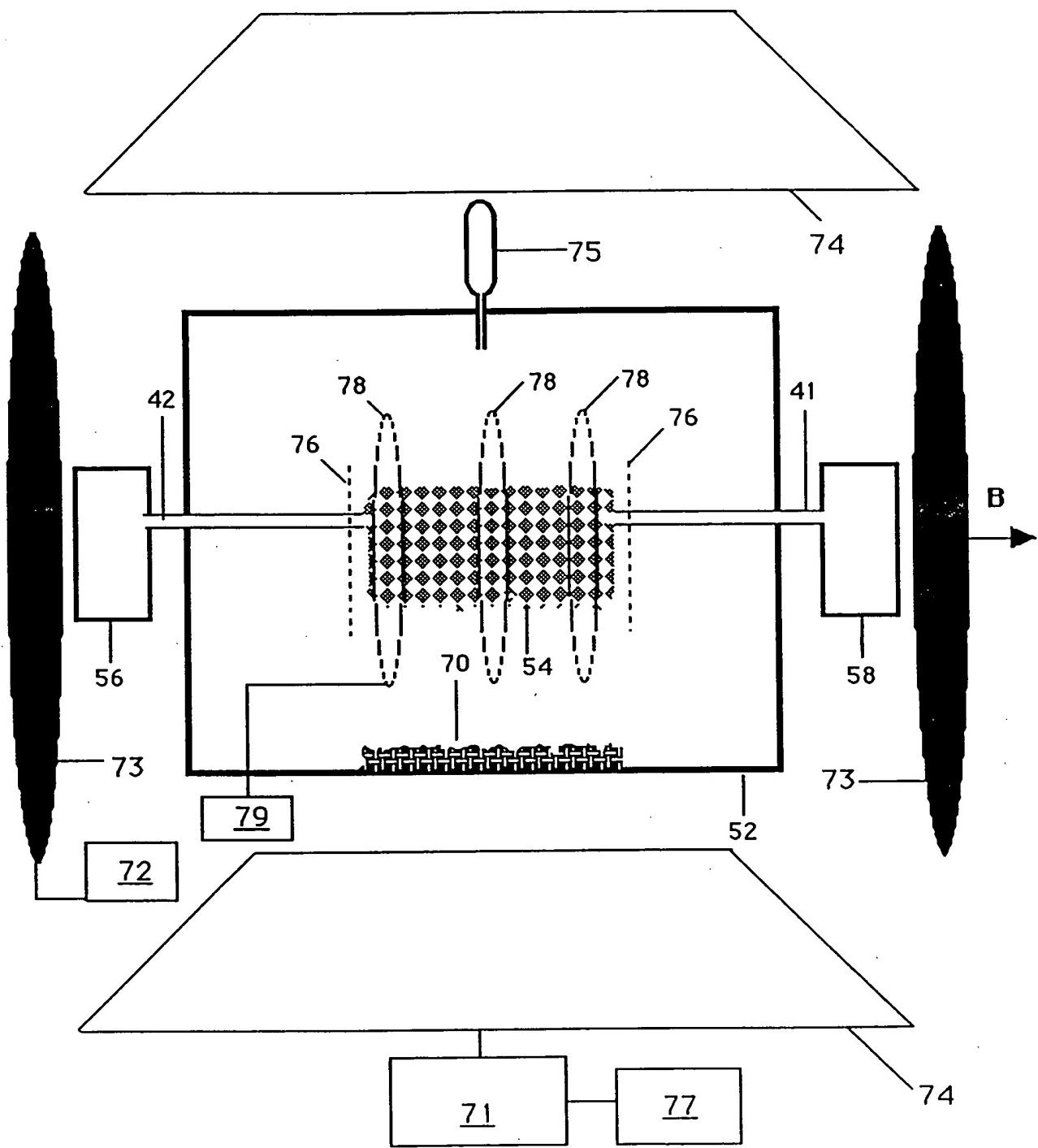


Fig. 2.

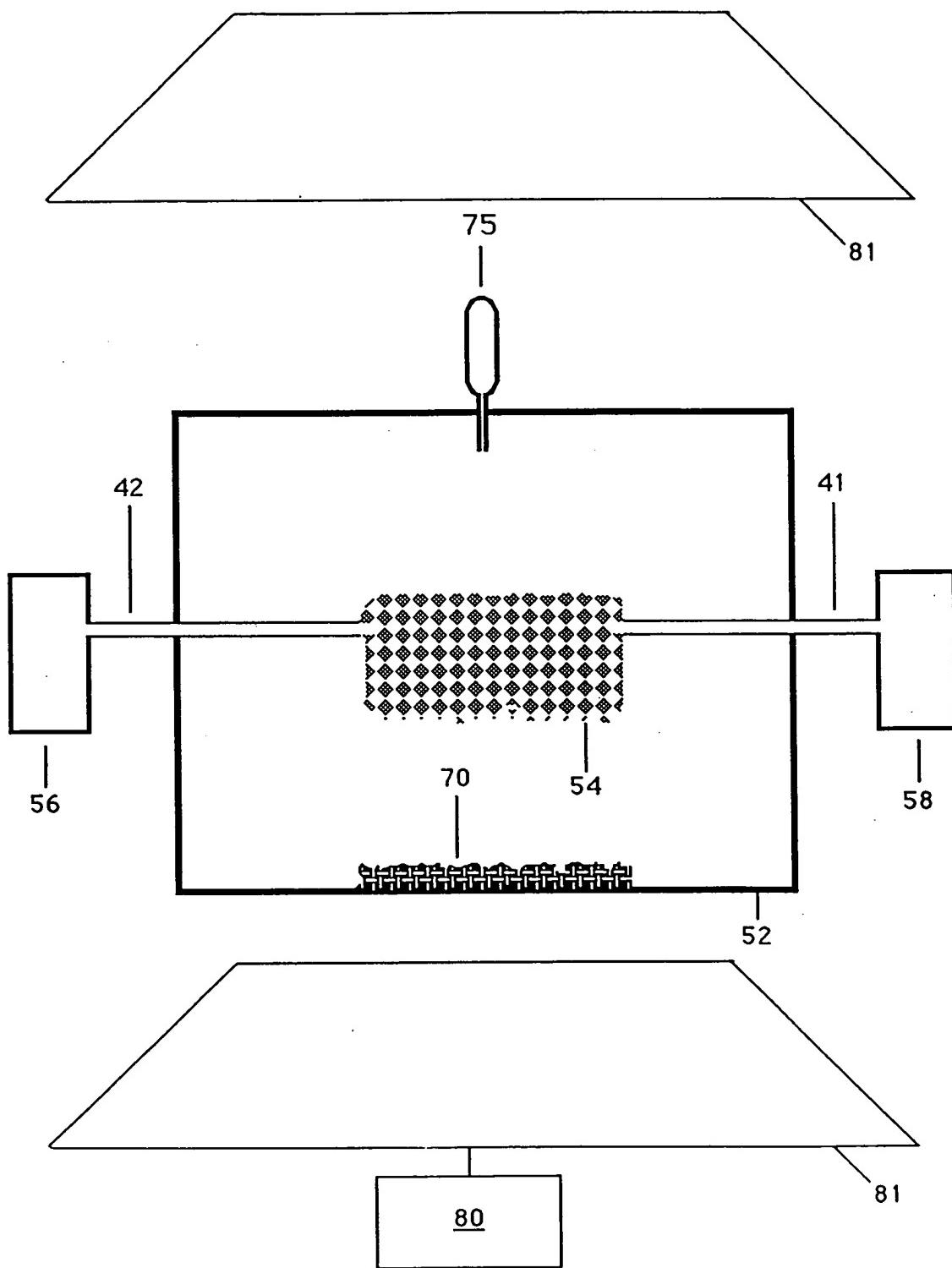


Fig. 3

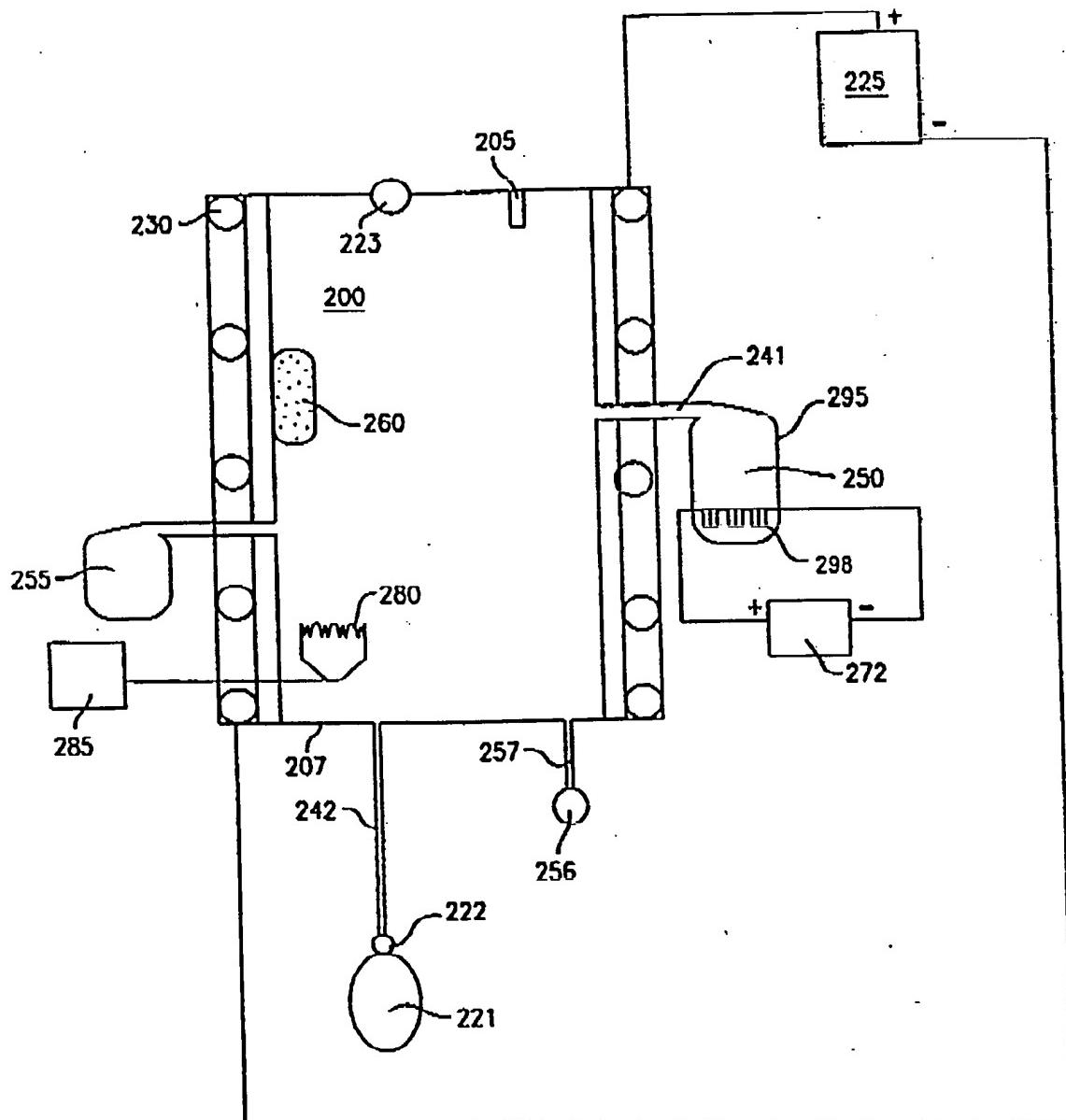


Fig. 4.

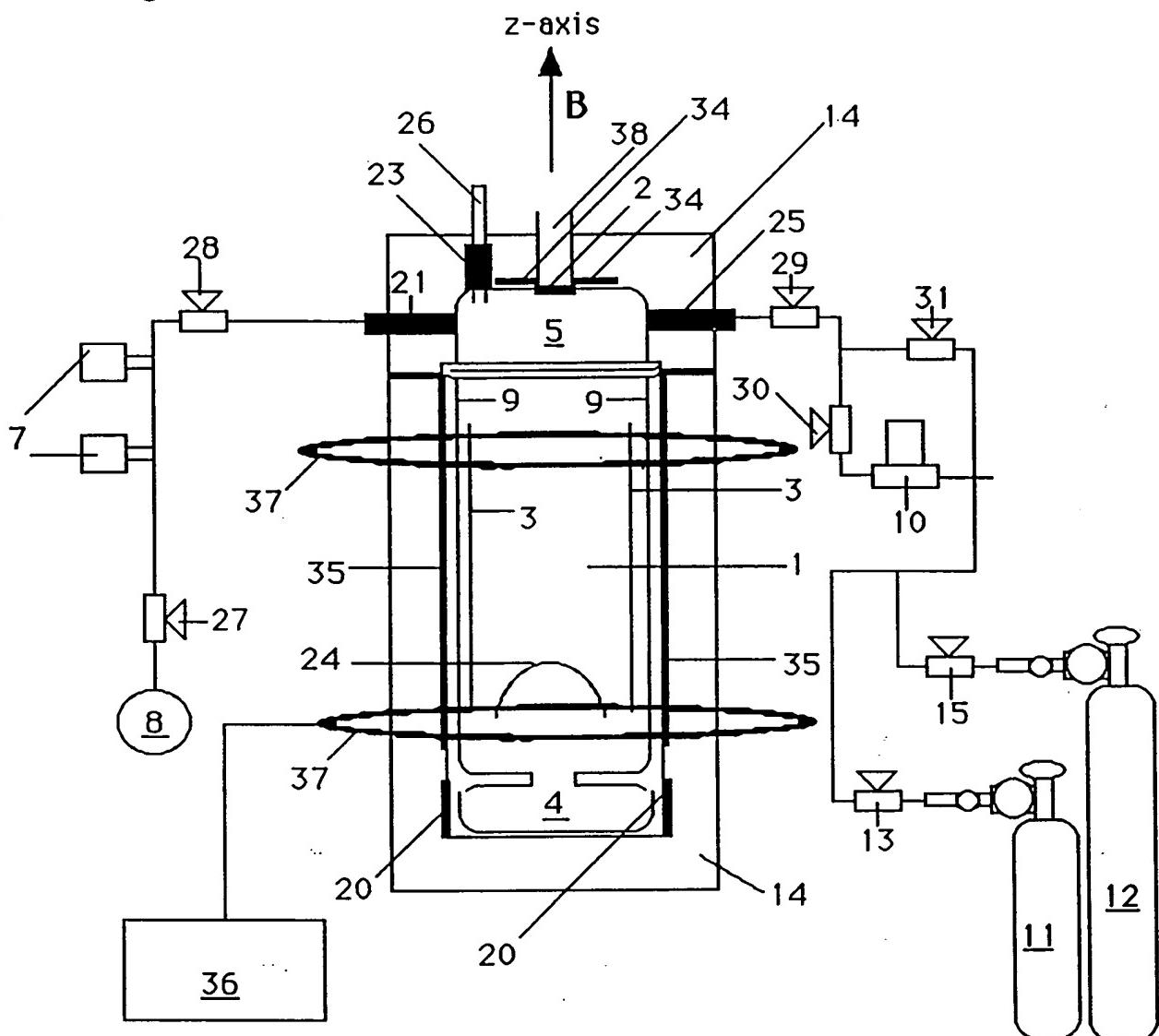


Fig. 5

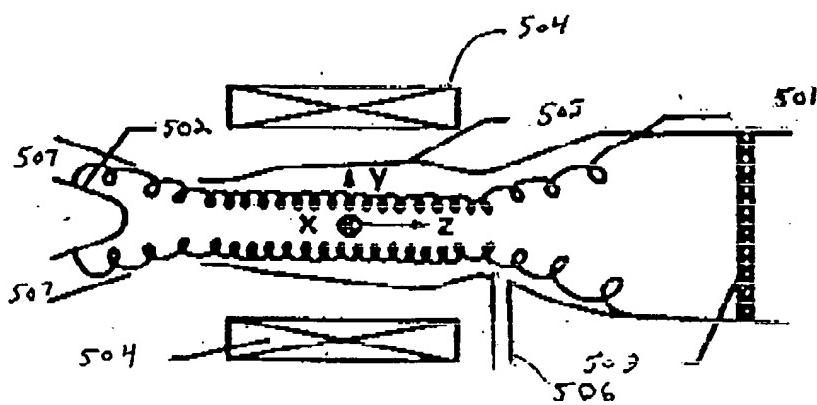


Fig. 6

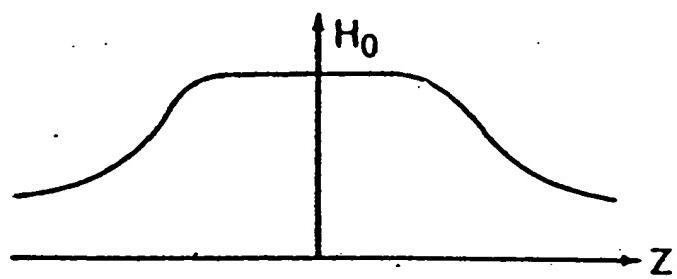
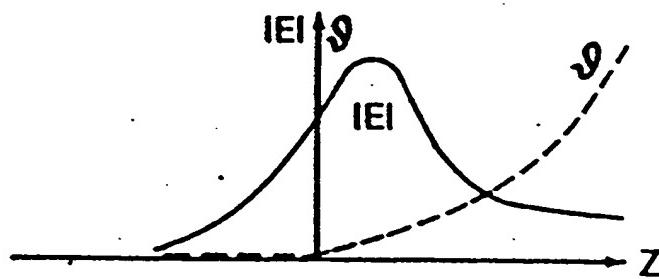


Fig. 7



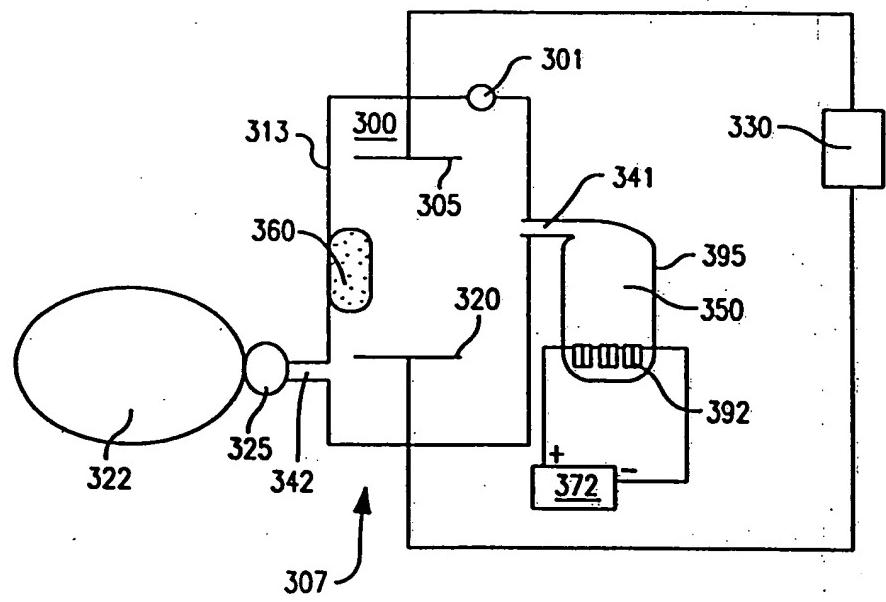


Fig. 8

Fig. 9

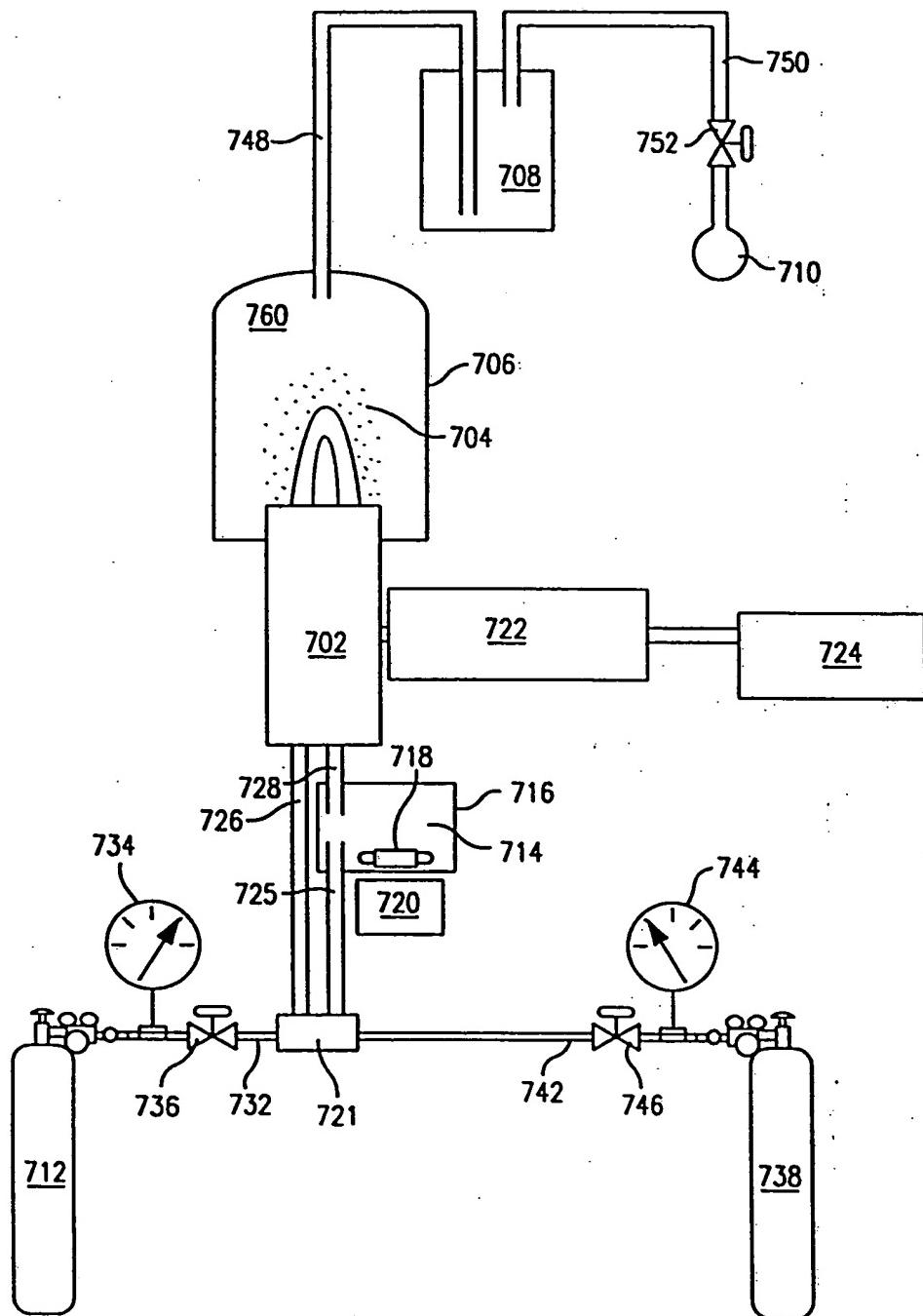


Fig. 10

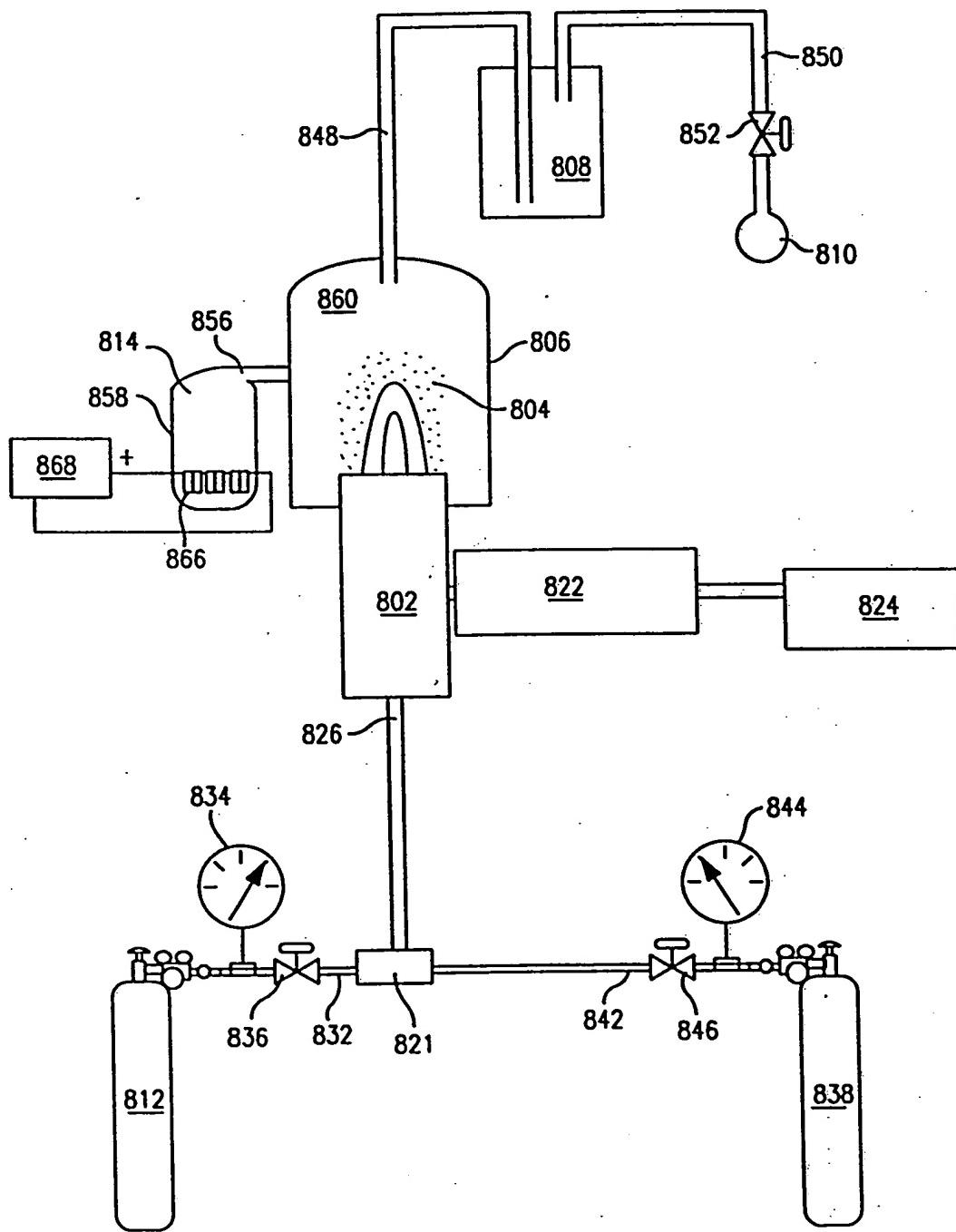
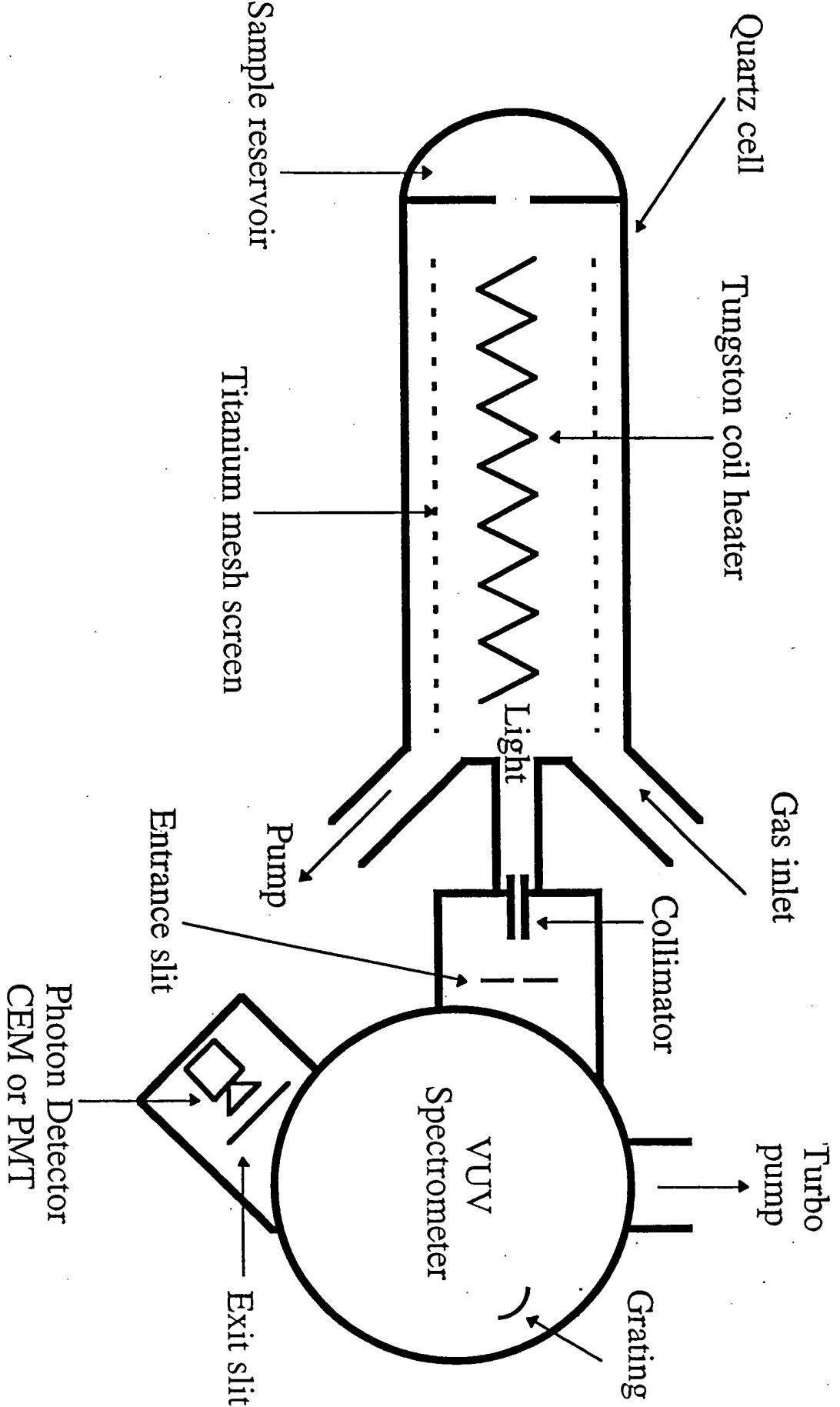
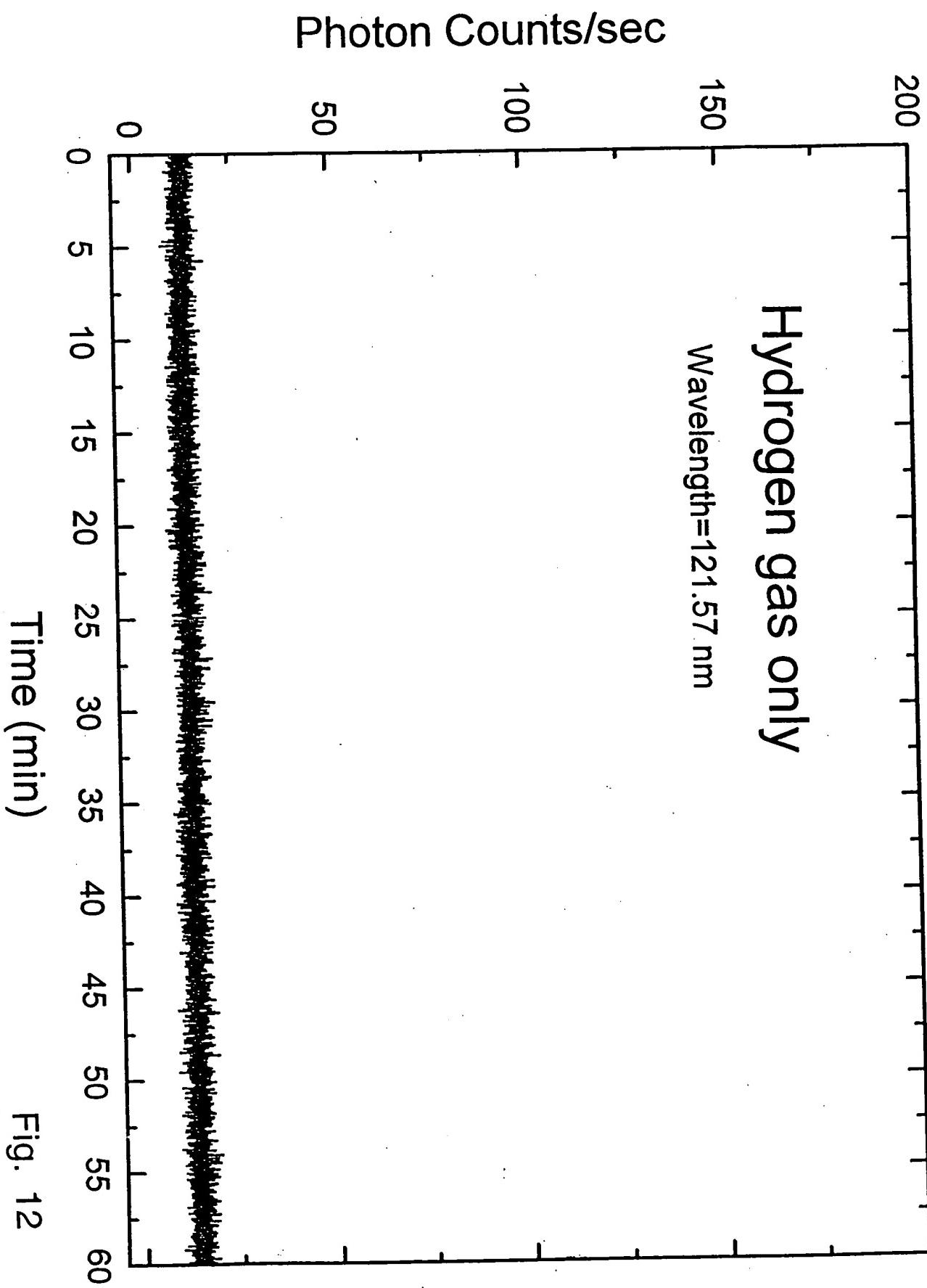


Fig. 11





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Hydrogen gas only

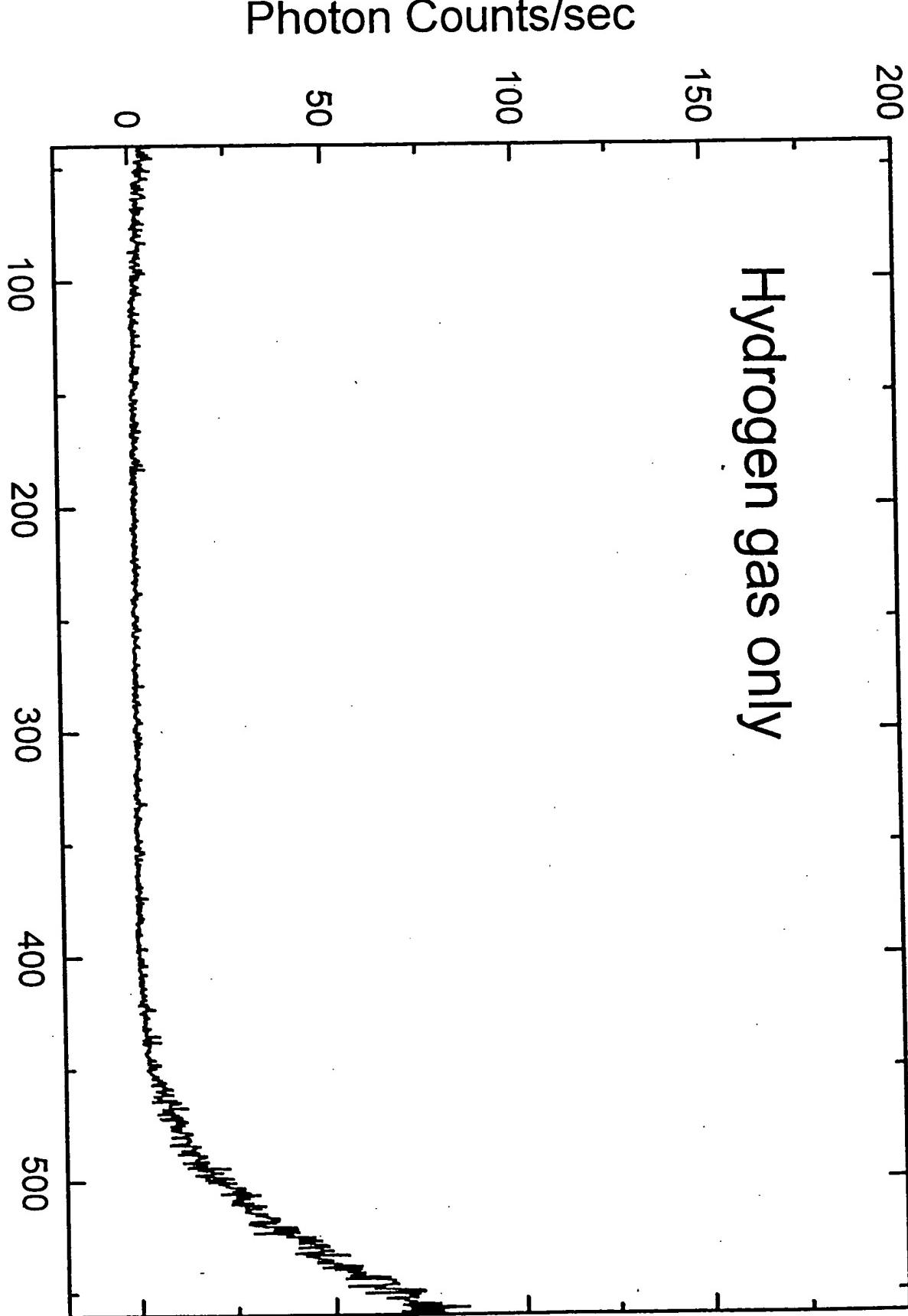
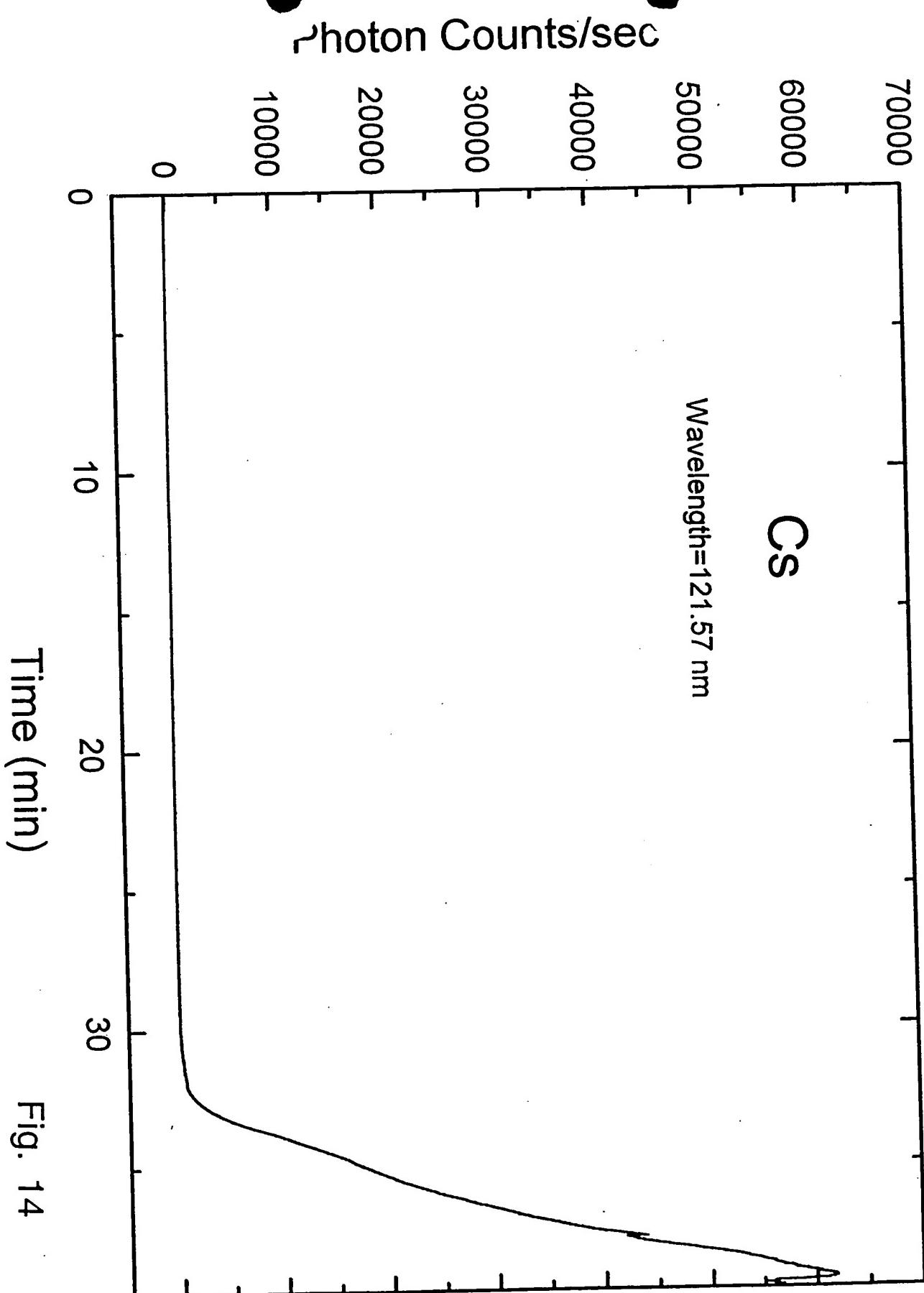


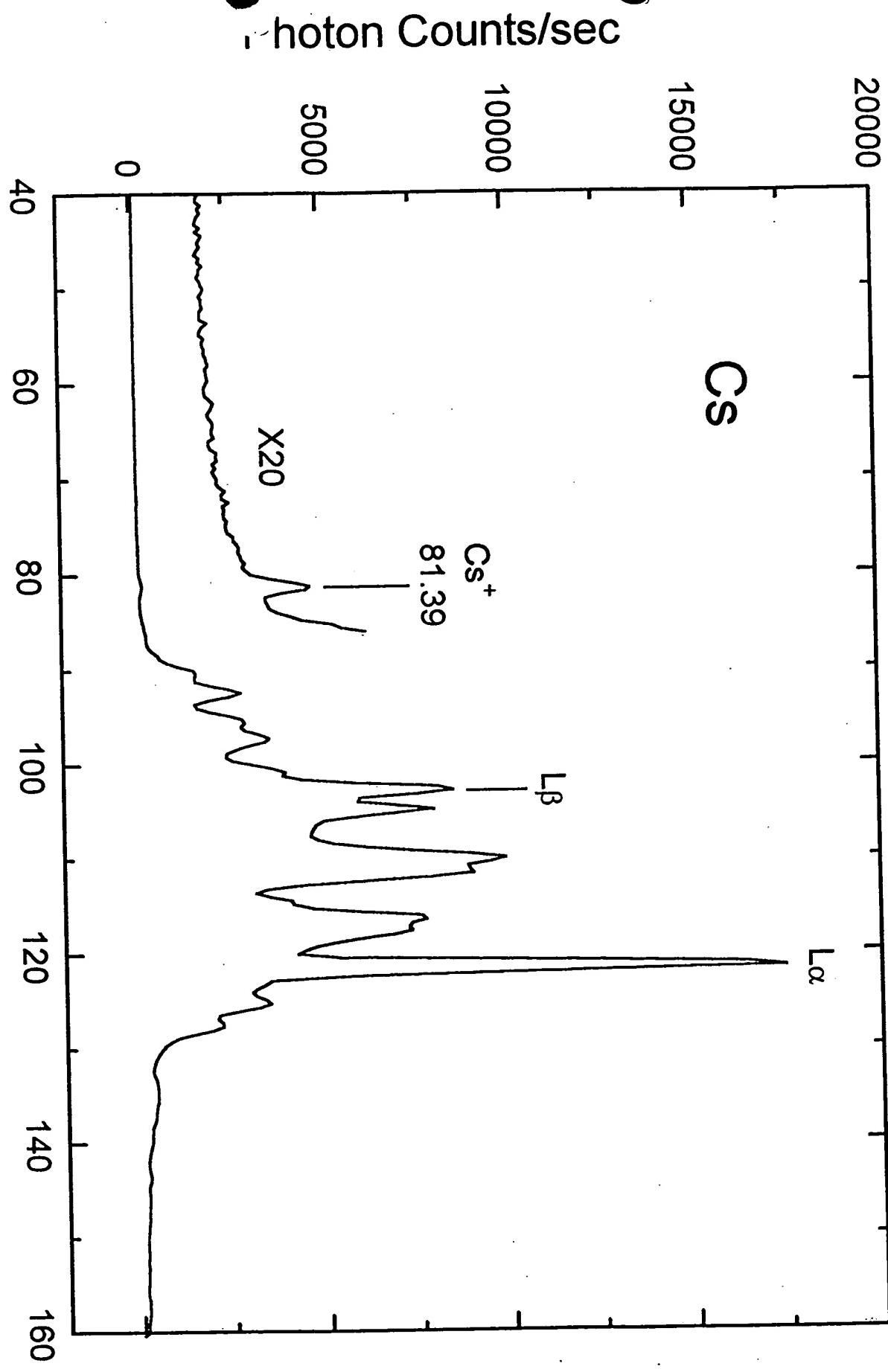
Fig. 13



Wavelength (nm)

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Fig. 15



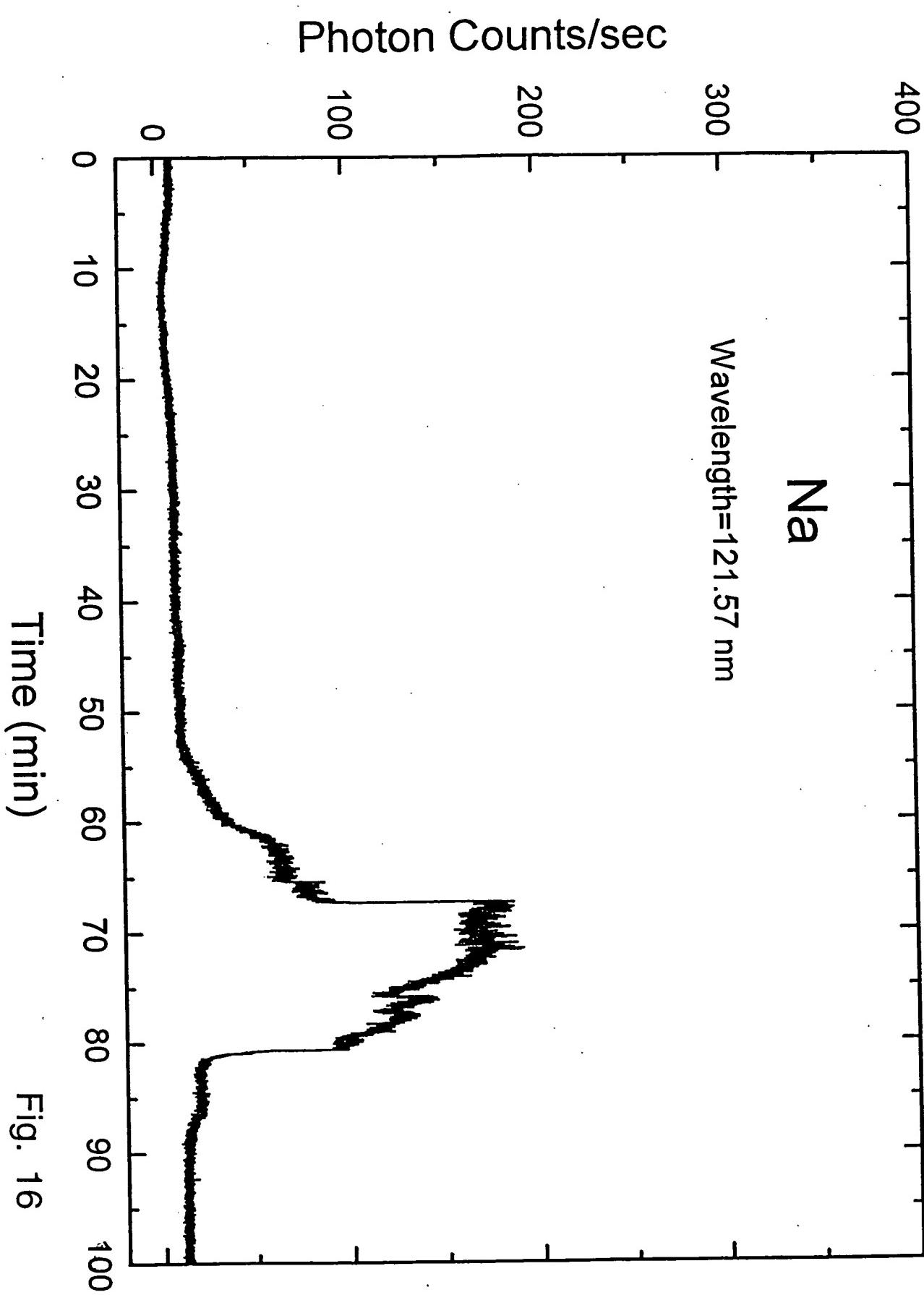


Fig. 16

Time (min)

Photon Counts/sec

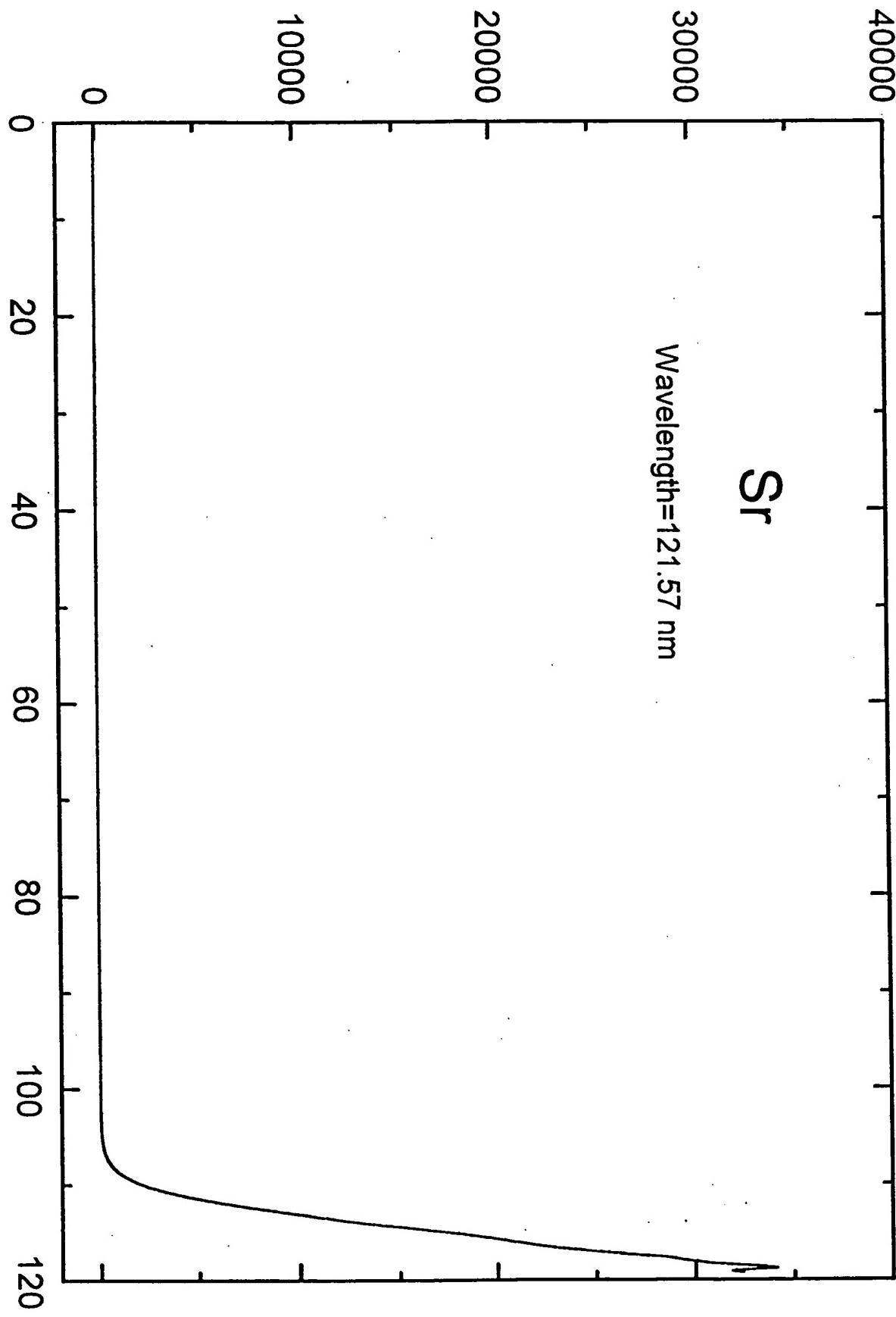


Fig. 17

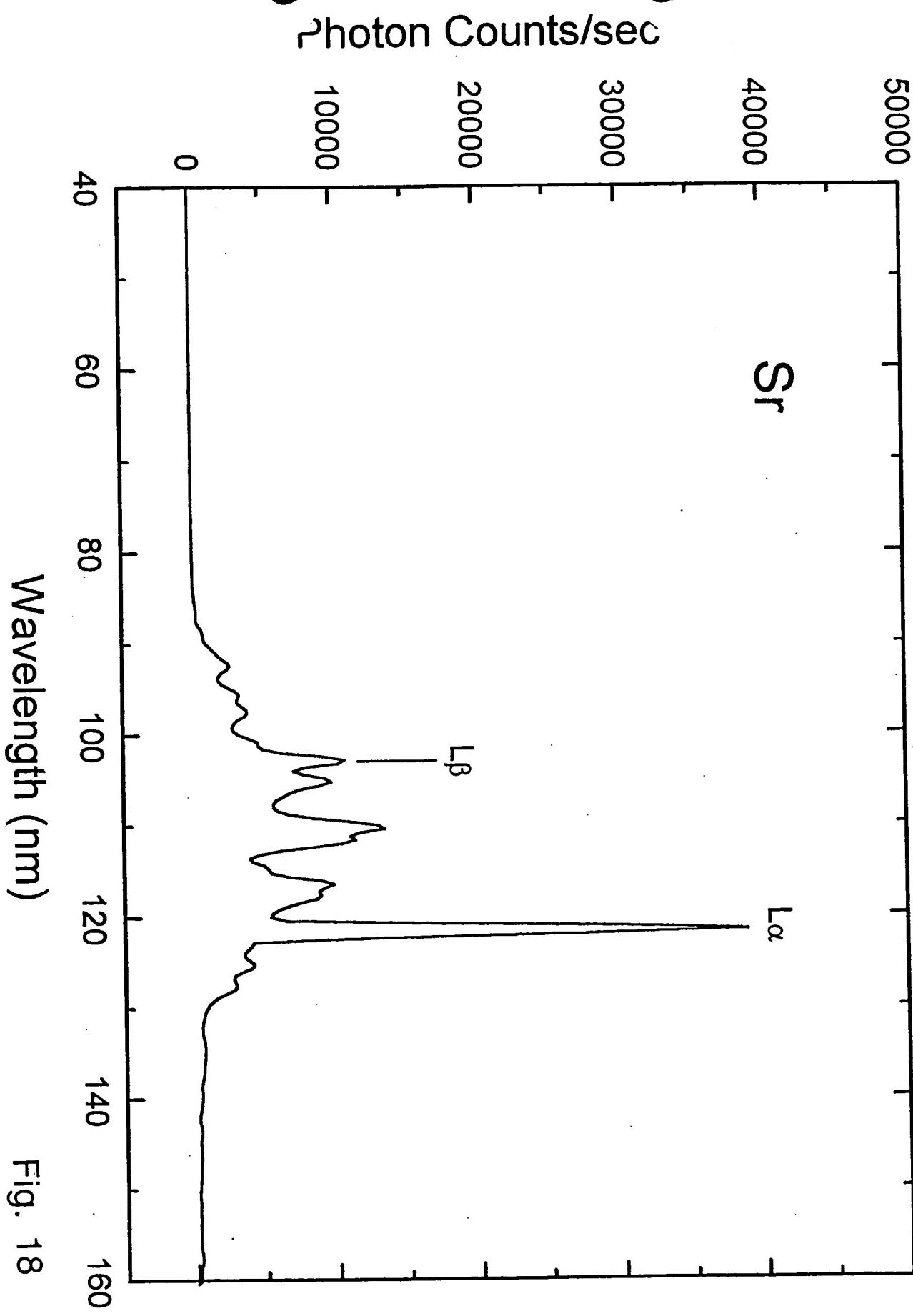


Fig. 18

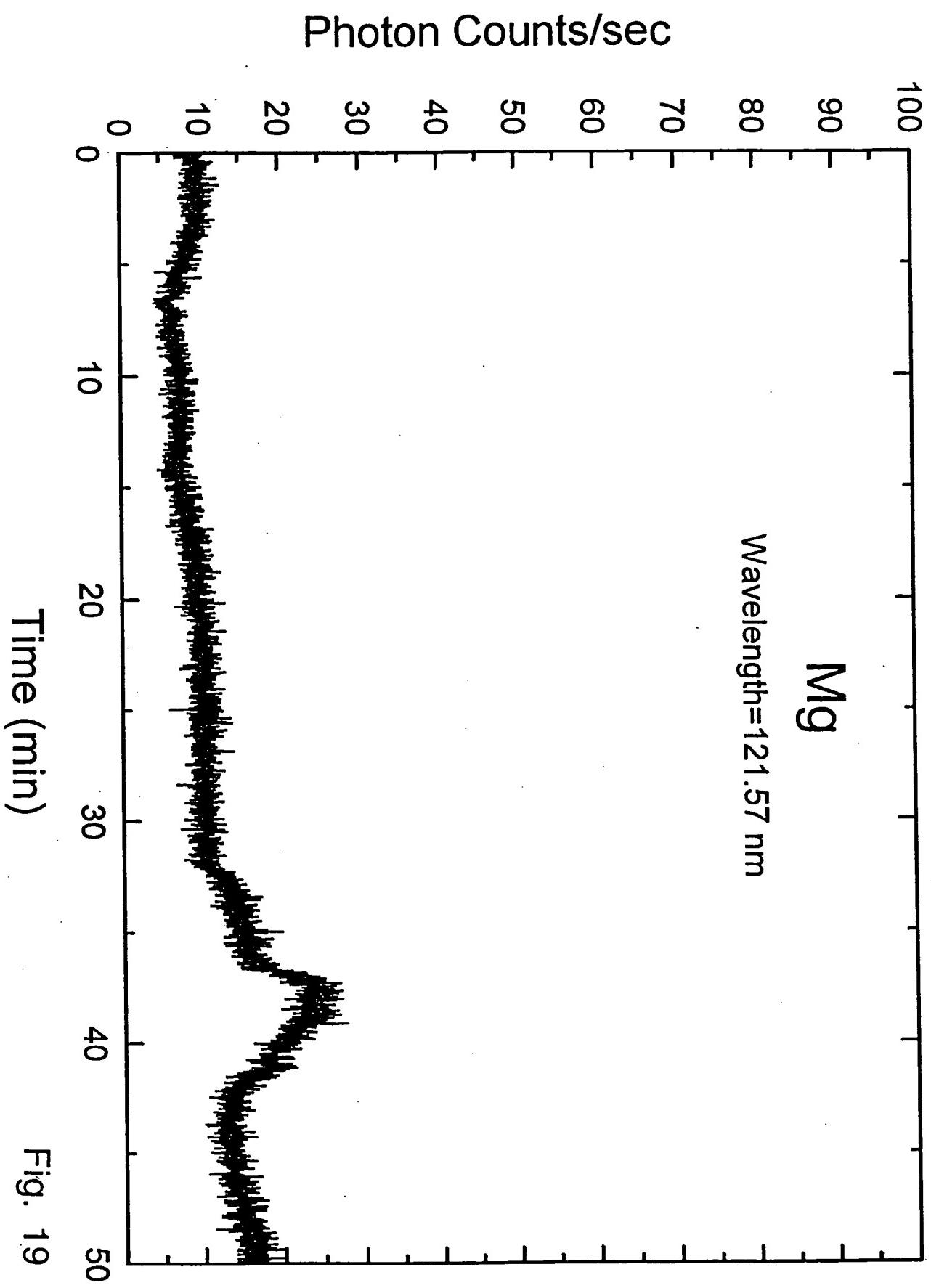


Fig. 19

Photon Counts/sec

15000

20000

K_2CO_3

Wavelength=121.57 nm

Time (min)

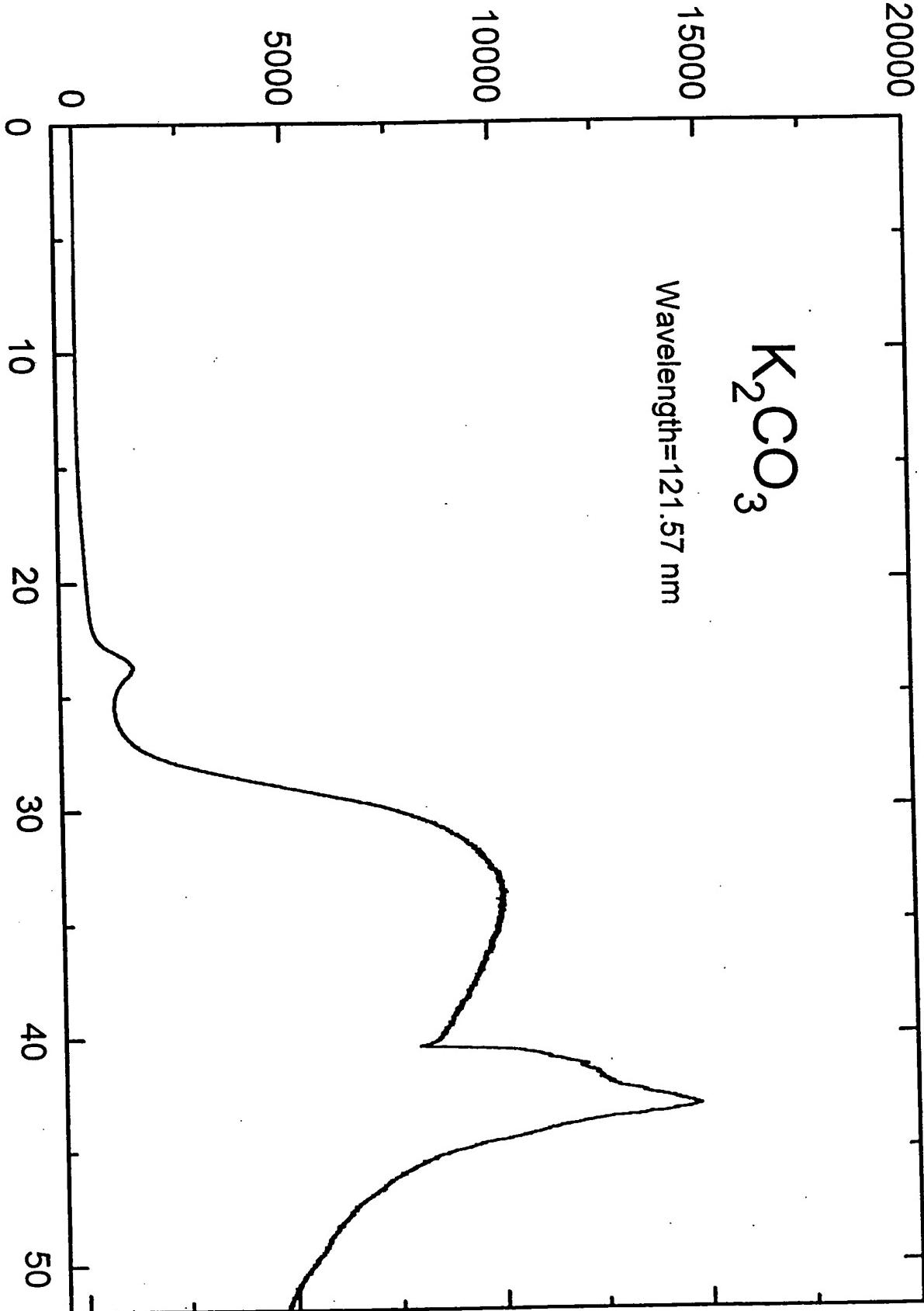
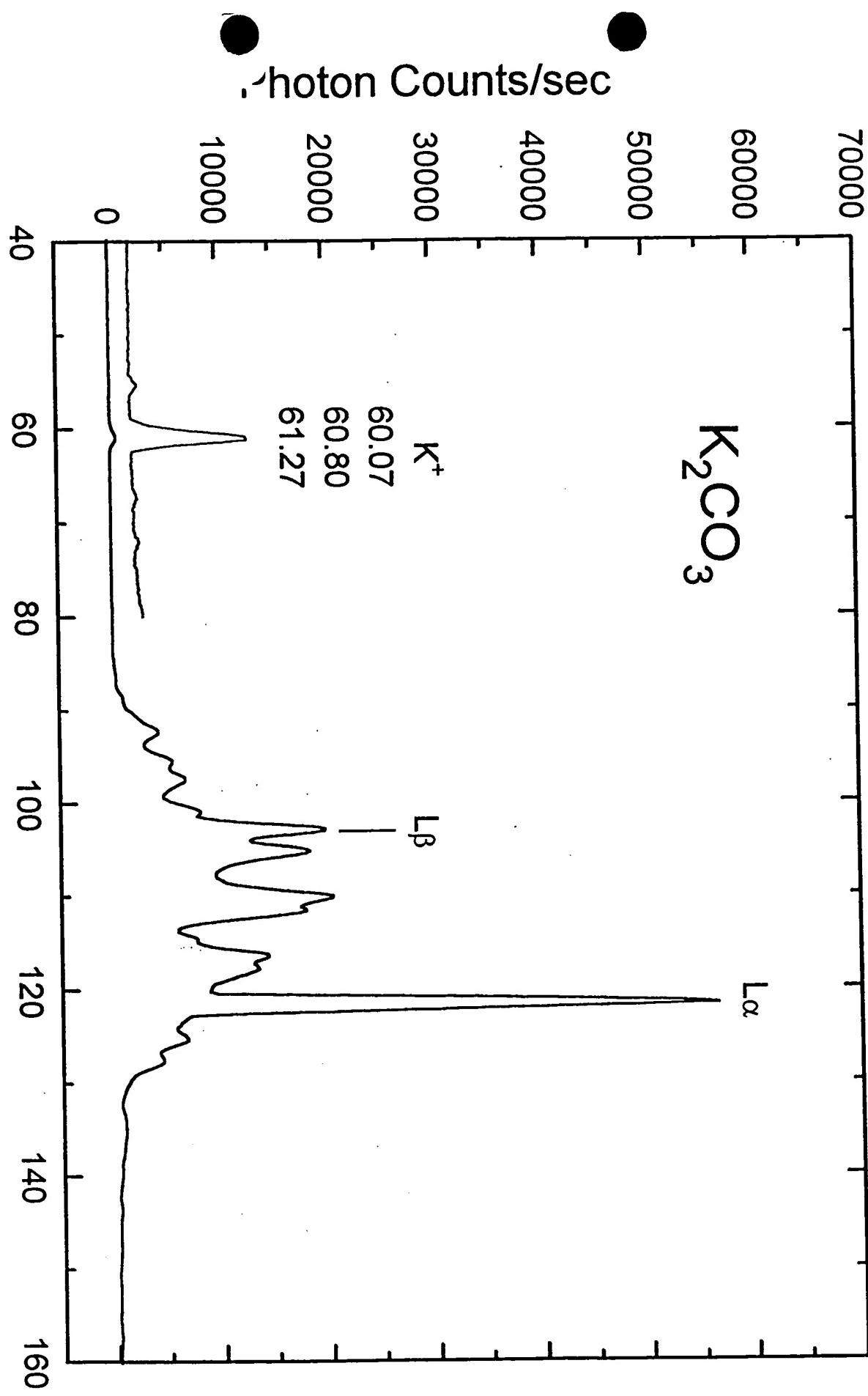


Fig. 20

Fig. 21



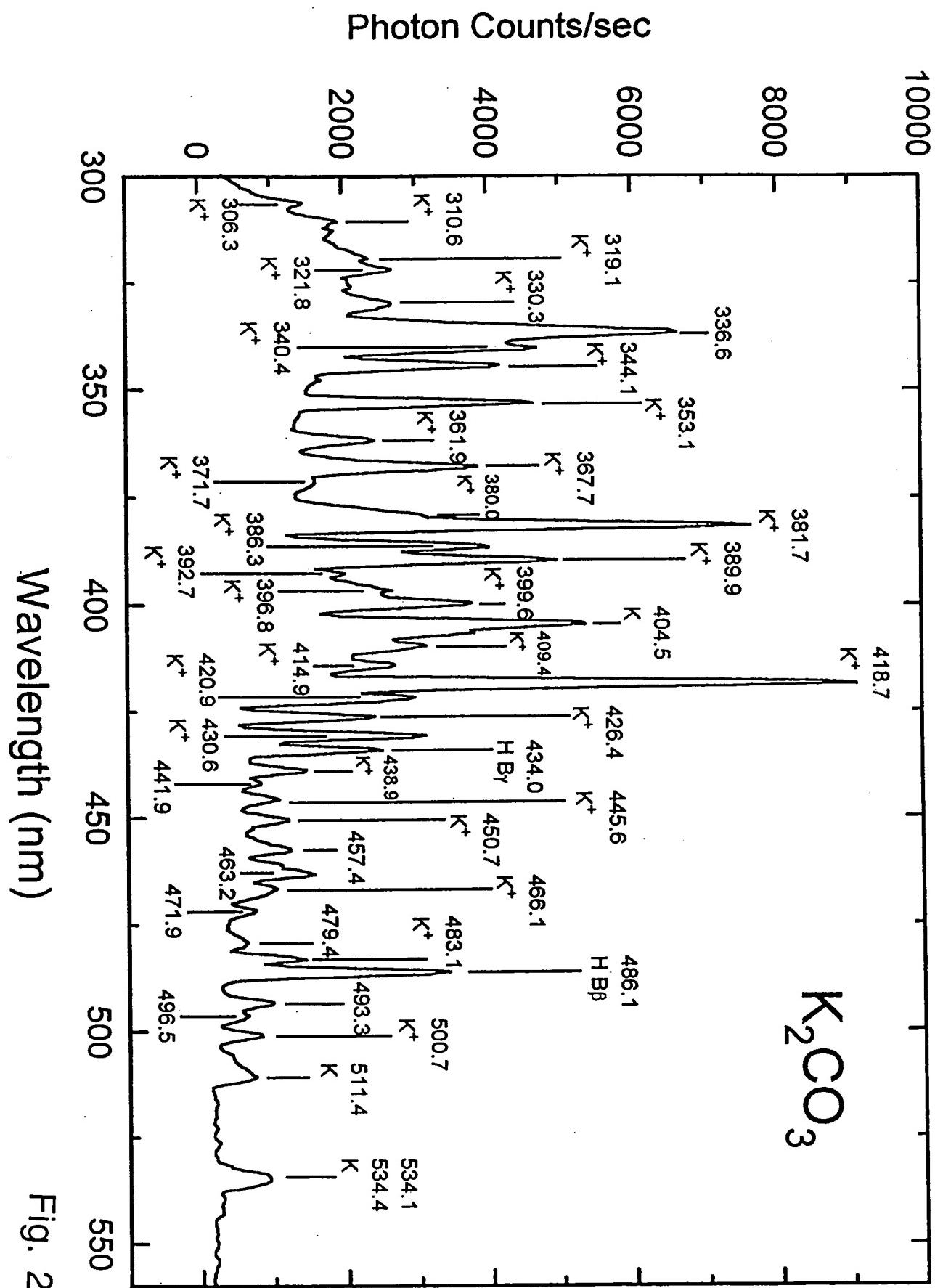


Fig. 22

0 5 10 15 20 25 30 35 40

Wavelength (nm)

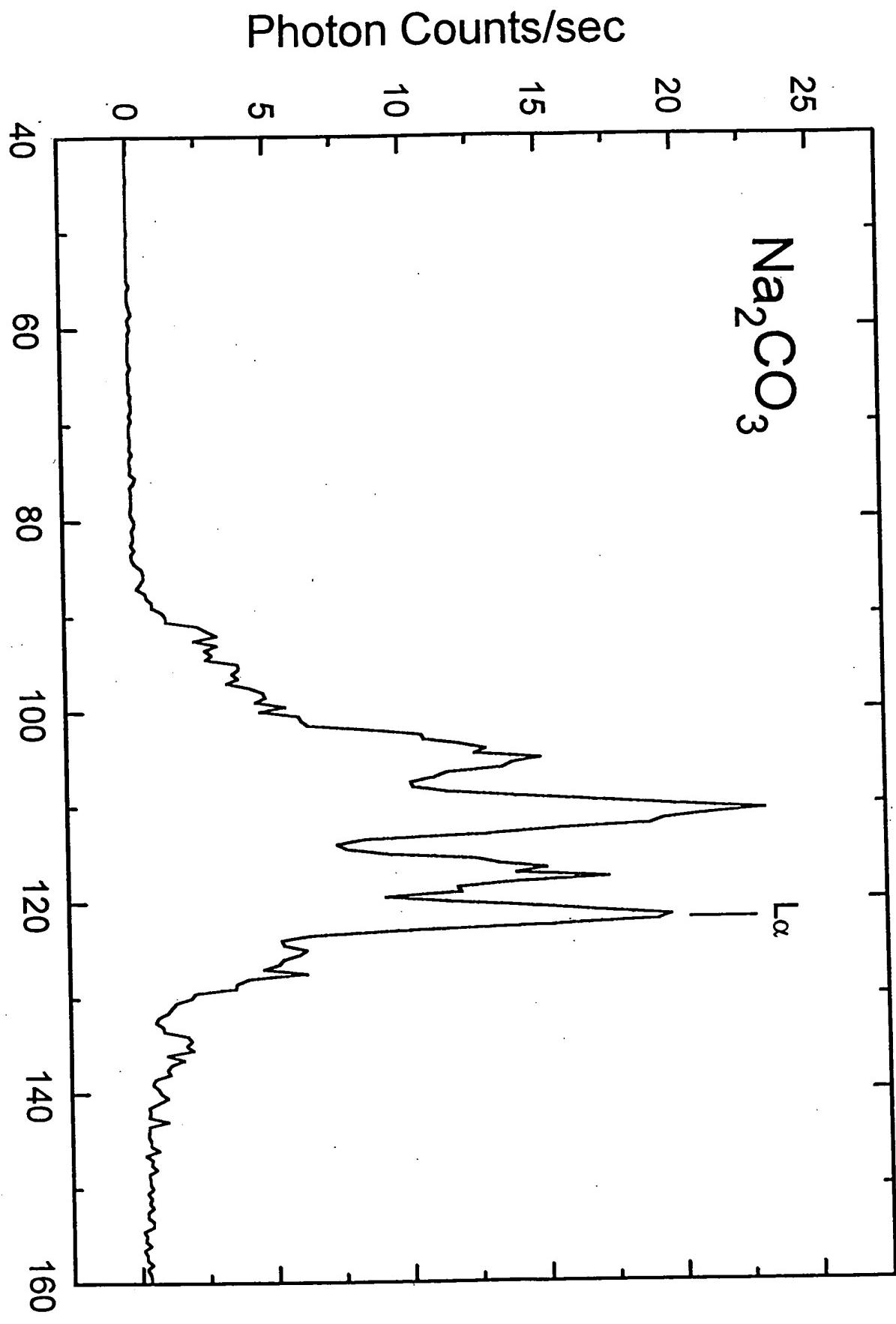


Fig. 23

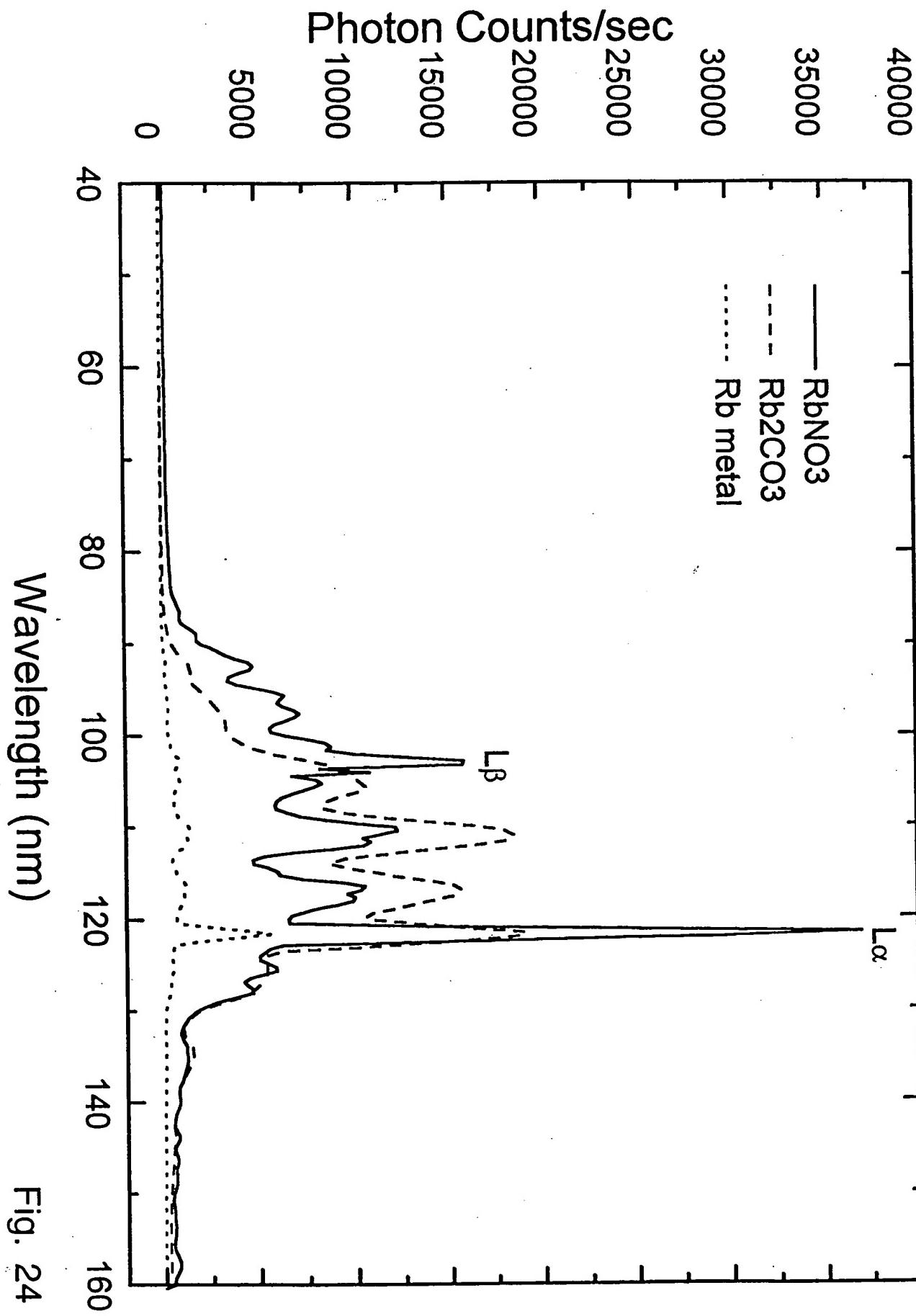


Fig. 24